C.CRANE

The Magic of Radio

800-522-8863 • ccrane.com

Annual Catalog 2019

From Bob,

Radio is magic because it has the power to influence the course of events by using mysterious forces.

Exactly how do radio waves travel through space to a small antenna inside a radio in my house? How does the sound come out of the speaker? I think it is very difficult to find a precise “how it actually works” answer that most people can understand without falling back to a description of known properties.
I understand radio waves have to do with the relationship of electric and magnetic fields but we are still having a tough time figuring out gravity and black holes.

Why do I feel so engaged when listening to a great show? Radio continues to enrich my life with learning and a vicarious friendship. Topics are not limited to what I learn and imagine but encompasses the knowledge and imagination of others. It is story telling on a local and global basis.

CCRadio-EP PRO

High Performance AM/FM Portable Analog Radio Built with Simplicity

...A Good Radio Should be Easy to Use

The new CCRadio-EP PRO is an enhanced version of the original EP. Simple controls with superior selectivity and sensitivity. The portable CCRadio-EP PRO could be considered a super radio; built for ease of use and outstanding long-range AM with our C. Crane patented Twin Coil Ferrite® AM Antenna. FM performance is excellent. The dial accuracy and frequency stability of the EP PRO is superior to our original EP model.

Great for listening to News, NPR®, Music and Sports. The EP PRO has separate bass and treble adjustment for defined music and accurate, lively voice reproduction. A large, 5-inch speaker is combined with a hi-fidelity amplifier. AM programs can be adjusted to sound similar to FM because of a "Wide/Narrow" enhancement switch and the fine tuning control of the Twin Coil Ferrite Antenna.

Features: Lighted tuning dial, flip up carry handle, line in and stereo headphone jack. External antenna connections include, spring loaded for AM and 'F' connector for FM.

Runs on included 6V AC adapter or (4) "D" batteries (not included). Runs for approx. 300 hours on a fresh set of alkaline batteries at moderate volume with the display light off.

Weight: 4.5 lbs. (without batteries). Size: 11.4" W x 7.3" H x 2.75" D.

Item #CEPRO…….…$89.99

⚠ **WARNING:** Cancer and Reproductive Harm. www.P65Warnings.ca.gov

CC SKYWAVE™

With AM, FM, Shortwave, NOAA Weather + Alert and the VHF Aviation Band

The Ultimate Small Travel Radio

The CC Skywave opens up a marvelous new world of radio when you're traveling. The reception, audio and durable build are what this radio excels at. The Skywave has an intuitive layout so it's easy to use. Incoming radio signals can be manipulated to reduce interference.

Sometimes it's important to find out what's going on when traveling. The Aviation Band lets you listen in on nearby pilots, air traffic controllers and ground crew. English is the standard language used in aviation worldwide. Included are the high quality *original* CC Buds for your listening pleasure, a carry case and hand lanyard for walking.

Features: Rotary volume dial, voice/music tone control, stereo headphone jack, clock, alarm, sleep timer, 400 memory presets and fold out back stand.

Runs on (2) "AA" batteries (not included) for approx. 70 hours or on optional 5V AC Adapter with mini USB tip.

Weight: 6.0 oz. (without batteries). Size: 4.75" W x 3" H x 1.1" D.

Item #SKWV.....**$89.99**
Item #SKWVP.....**AC Adapter** (optional).....**$14.99**
Item #CCSWA.....**CC SW Reel Antenna** (See Pg. 13).....**$14.99**

WARNING: Cancer and Reproductive Harm. www.P65Warnings.ca.gov

CC POCKET

With AM, FM and NOAA Weather + Alert

Our Pocket Radio is a Real Blessing When Small Size is Important

We combined ease of use, very good reception, and sharp well-defined audio together in this little jewel of a radio. You can listen on the built-in speaker or the included high quality *original* CC Buds tuned for superior voice clarity and music.

It has five one-touch memory “car” type buttons for each band and stands upright when needed. Rubber coated sides help with grip. Lock switch to prevent accidental on/off or station changes.

- Display light, sleep timer, clock and alarm, belt clip, stereo headphone jack
- FM stereo or mono switch and reception indicator
- NOAA Weather Radio with Alert (disables AM/FM radio while activated)
- 30” FM antenna wire included
- 1, 9 & 10 kHz fine tuning steps

Runs on (2) AA batteries (not included) for approx. 100 hours of play with ear buds or 80 hours with built-in speaker.

Weight: 3.8 oz. (without batteries). Size: 2.5” W x 4.25” H x 1” D.

Item #CCPKT.....$64.99

Please see page 21 for additional CC Pocket Radio Accessories.

WARNING: Cancer and Reproductive Harm. www.P65Warnings.ca.gov

Black Mica

CCRadio 2E

Portable Clock Radio with AM/FM/NOAA Weather + Alert, and 2-Meter Ham Band

Designed for Long Range Reception and Clear Audio

The purpose of the CCRadio 2E is to make weak signals strong and to produce accurate audio for the spoken word. AM performance comes from our patented Twin Coil Ferrite® AM Antenna and traditional FM reception is exceptional in its ability to bring in a weak station clearly. The audio of this enhanced version can be adjusted for accurate warm voice rendition, along with good musical performance.

This radio also has the Weather Band and Alert along with the 2-Meter Ham Band. More information about the 2-Meter Ham Band can be found at: *CCRadio.com/2-meter.*

Since the CCRadio's original debut the external design has remained the same but there have been countless revisions inside to improve performance, durability and audio. It is one of the most popular portables manufactured and many experts feel it is the best portable radio made.

Features: Clock, alarm, sleep timer, 5 one touch memory presets per band, line in/out jacks, stereo headphone jack, external AM antenna screw type connection and NOAA weather alert. Runs on included AC power cord or 4 "D" batteries (not included). Runs approx. 250 hours at moderate volume level with the display light off.

Wt. 4 lbs. (without batteries). Size: 11" W x 6.5" H x 4" D.

Item #CC2BE.....Black Mica.....$169.99
Item #CC2TE.....Titanium.....(See Pg. 7)**.....$169.99**
Item #CA3.....CCRadio-2E Carry Case.....$39.99

WARNING: Cancer and Reproductive Harm. www.P65Warnings.ca.gov (Carry case)

Titanium

CCRadio 2E

CC BUDS Pro

Designed and Built for Voice Clarity

The CC Buds Pro are designed to help you hear words – whether you're listening to storytelling, news, podcasts or audiobooks. The majority of high quality earbuds are built for music and have enhanced bass response. This makes words more difficult to hear. Our CC Buds Pro have high quality materials but are designed for voice clarity. They have accurate bass that's similar to studio monitor type bass, which is precise, but not booming.

Six different earbud covers are provided for custom comfort. Included are three sets of small, medium and large covers in comfortably soft silicone and compressible foam*. The foam covers provide enhanced bass and noise isolation. Standard 1/8" stereo plug for anything with a headphone jack. 4' cord with strain relief.

*Regardless of what earbuds you own, it is recommended that you replace the earbud covers annually or whenever you notice wear and tear, to prevent pieces from going inside your ear canal.

Item #CCBUDSPRO..... $19.99 (Buy 2) and get one free.

WARNING: Cancer and Reproductive Harm. www.P65Warnings.ca.gov

Solar Panel

CC SOLAR OBSERVER

AM/FM NOAA Weather Solar Windup Emergency Radio with Built-in LED Flashlight

Emergencies Strike Without Warning. Be Prepared with Reliable Communication

The CC Solar Observer is a simple, affordable and compact radio with enhanced reception and audio performance. For emergency use, it can be powered in four different ways and can charge many different USB type devices including cell phones in a pinch. Many of our customers use it as their main radio.

“Our emergency radio was born in 1992 when we experienced three large earthquakes in Northern California in 17 hours. Communication and services, including electricity, were hopelessly overloaded. All of our flashlights had been over used by our blessed children. We vowed to make a good emergency radio and light so that we would never be in this situation again”. *Bob Crane*

The radio can be powered by wind-up, optional AC power and solar panel. It will also run on 3 “AA” Alkaline batteries (not included) for approx. 60 hours at normal volume. Rechargeable battery pack (included). In a pinch, it can charge cell phones with the included USB port adapter. **Features:** Lighted analog display, low profile carry handle and stereo headphone jack.

Weight: 1.5 lbs. Size: 7.25” W x 5.5” H x 2” D.

Item #COBS.....$59.99
Item #OBA.....AC Adapter (optional)**.....$14.99**

WARNING: Cancer and Reproductive Harm. www.P65Warnings.ca.gov

CC SKYWAVE SSB

With AM, FM, Shortwave, NOAA Weather + Alert, Scannable VHF Aviation Band and Single Side Band

The "Swiss Army Knife" of Portable Radios – Radio Jay Allen

One of the smallest multiband radios with SSB, the new Skywave SSB has everything the original Skywave has (see page 4). We continue to have a select group of radio enthusiasts who want more . . . "The CC Skywave has shortwave but it would be perfect if it had Single Side Band". The entirely new circuit board also allowed us to improve the audio and reception slightly while keeping the button layout as intuitive as possible.

You can now listen to FEMA, long range aviation, ships at sea (think Coast Guard), space, even spy transmissions and other worldwide communication when nothing else is available. Single Side Band is not available on your smartphone which makes it the ultimate off the grid format.

Included is a CC Shortwave Reel Antenna, high quality *original* CC Buds and a faux leather carry case. **Features:** Rotary volume dial, stereo headphone jack, clock, alarm, 400 memory presets and lighted LCD display. Runs on (2) "AA" batteries (not included) for approx. 70 hours with earbuds, 60 hours with built-in speaker or an optional 5V AC Adapter with mini USB tip.

Weight: 6.0 oz. (without batteries). Size: 4.75" W x 3" H x 1.1" D.

Item #SSB……**$169.99**
Item #SSBP……**AC Adapter** (optional)……**$14.99**

More information about Single Side Band at: *ccrane.com/ssb*

WARNING: Cancer and Reproductive Harm. www.P65Warnings.ca.gov

CC WiFi Internet Radio

With iHeartMedia®, Pandora® and Radio.com-CBS®, Clock, Alarm & 99 Memory Presets

Get Even More of Your Favorite Music and News for Free

With the CC WiFi Internet Radio the stations are always clear, no matter how far away they are. You are also able to pick up stations on the CC WiFi that are difficult or impossible to get on a smartphone.

Music is probably a big part of your life and the CC WiFi lets you travel back in time and relive memories and feelings you thought you might never have again. Listen to your favorite talk show or discover something new from an immense library of audio from all over the world in all languages.

Search for the type of music you like or for news stations from all over the world. The operation is more straightforward than finding a new station on a computer or smartphone and advertising is a tiny fraction of what is found on those devices.

The CC WiFi has good audio for its size and it can be connected to your stereo system directly for superb audio. **Note:** Uses Reciva technology. C. Crane has no control over content or the stream provider for internet radios and is not responsible for internet radio programs or availability.

Features: Stereo headphone jack and line out jack. Over 16,000 stations all subscription free. To use the radio, you need a WiFi signal and your WiFi network's name and password. AC adapter and remote control included.

Weight: 1 lb. Size: 6.5" W x 3.9" H x 3.9" D.

Item #CWFN.....$119.99

WARNING: Cancer and Reproductive Harm. www.P65Warnings.ca.gov

gracedigital Mondo+

WiFi Internet Radio Alarm Clock with Bluetooth®, iHeartRadio®, NPR® and Radio.com® - The Almost Everything Radio

Internet Radio is . . . Static and Fade Free

Discovering new content on the Mondo+ has never been easier. Access to over 30,000 internet radio stations through built-in apps. “I was easily able to find old African music (similar to Diamonds on the Soles of Her Shoes type) playing on “Africa Heritage On”. I listen to Bloomberg Radio but usually you get the New York feed. By searching “Bloom” I was able to select the San Francisco feed which is normally unavailable. I found intelligent 60’s music on KOZT.” *Bob Crane*.

Memorize your favorite 10 stations and have instant access across platforms from iHeartRadio, NPR, Radio.com, SHOUTcast, BBC, Live365 and more! Works with SiriusXM **if you have a subscription** (sold separately by SiriusXM) which means you can listen to all your favorite professional and college sports! Podcasts are available and it is possible to add your own. When purchased from C. Crane it comes with C. Crane’s U.S. based technical support.

Features: Bluetooth, Chromecast, USB input, UPnP, clock, 5 alarms, sleep and snooze timers. Large 3.5” full color display with backlight. Full size infrared remote. Stereo headphone jack and line out jacks. Smartphone power bank. Runs on AC adapter (included) or purchase the optional rechargeable battery pack below. **Weight:** 2.5 lbs. Size: 10.1“ W X 6.1” H X 4.25” D.

Item #GMW …….…….$179.99

Portable Use Option: Rechargeable Lithium Ion battery pack. Allows up to 6 - 8 hours of listening on a full charge at moderate volume.

Item #GMWB…….…….$39.99

WARNING: Cancer and Reproductive Harm. www.P65Warnings.ca.gov

CC WITNESS +

Digital MP3 Recorder-Player with Built-In AM/FM Radio

The CC Witness Plus is one of the best, most versatile and compact digital personal recorder/players made. Built to record your favorite radio shows for playback later. It can record or play for hours. Also great for your favorite music playlist, documenting meetings and audio for traveling. A special feature can create individual recording tracks, so you can skip to the next song or delete songs you don't like. More information at: *ccrane.com/witness*

- AM and FM radio with 10 memories per band
- Record up to CD quality (WAV), 20 Timers for recording
- 2 GB onboard memory (up to 140 hours of recording time)
- SD card slot for more memory (SanDisk brand 8GB Max recommended)
- One-Touch Recording (hold record button to select recording time)
- Built-in stereo microphones and line-in jack for recording
- Small built-in speakers, earbuds included
- Mini USB connects to a PC or MAC® with included cable
- Records from **any** headphone jack or audio out

Includes earbuds, lanyard, FM wire antenna, USB cable and stereo male x male cable. Runs on 3.7v 1000mA Rechargeable Lithium-Polymer Battery (built-in) for approximately 15-16 hours of playtime or 8 hours of record time or a 5V DC Power Adapter (not included).

Weight: 3.6 oz. Size: 2.2" W x 4" H x .6" D

Item #CWTPL.....$149.99
Item #8GB….8GB SanDisk Card.....$11.99

CC Witness + and Accessory Kit

Save $10.00 when you buy the CC Witness Plus and Accessory Kit together (see page 13). You will have all the items you need for recording, use with or without your computer and hands-free listening.

Item #PLKIT.....$179.98

WARNING: Cancer and Reproductive Harm. www.P65Warnings.ca.gov

Accessory Kit for CC Witness +

The CC Witness Plus Accessory Kit includes a charging cradle to keep your CC Witness Plus fully charged without needing to use a computer. It also includes an AC adapter, clear carry case w/ belt clip and an arm band carry case. The cases come in handy for hands-free listening.

Item #PLACC.…..$39.99

TERK AM Advantage

When you want better AM reception, but also want an AM Antenna with some style points, this is a great choice.

The Terk comes with a 6.7’ wire with twin leads so you can connect it directly to your stereo or radio. You can also use it by setting the antenna near your AM radio (through a process called inductive coupling).

The Terk AM Antenna outperforms any of the smaller antennas normally included with a home stereo system.

Size: 9.25” H.

Item #TR1…….…$44.99

CC Shortwave Reel Antenna

The CC Shortwave Reel Antenna is a convenient and inexpensive way to improve the reception of any shortwave radio. Attach the end clip to the telescoping antenna of your radio and extend the antenna up the wall or to a window. Winds up into a sturdy case for portability. Experiment with various lengths for best results.

Size: 4” W x 2.9” H x 0.8” D.

Antenna length is 23’.

Item #CCSWA.....$14.99

WARNING: Cancer and Reproductive Harm. www.P65Warnings.ca.gov

Twin Coil Ferrite® AM Antenna Signal Booster

Capture AM like Never Before

The Twin Coil Ferrite® AM Antenna is ideal for improving most AM radio reception problems. No matter what kind of radio you're using, the antenna will reduce 90% of nighttime fade out and help reduce static and distortion. The Twin Coil can double the audio clarity of any weak station during the day.

The antenna is designed to work with everything from portable radios without antenna connectors to home stereos with wire antenna terminals. The ferrite stick works on radios without antenna connectors.

The weather resistant antenna element is capable of picking up a clean signal some distance from your radio and sending it to the radio and overriding the static. This feature alone can make it the ideal AM antenna because there is no other way to get a clear signal.

The antenna element has directional characteristics. By rotating the antenna element in a window or outside you can improve the signal strength. As with any AM Antenna, you will need to take the time to experiment to find the best location.

Patch cords, antenna, tuner, ferrite stick, mounting hardware and AC Adapter are included. Optional 50' cable available, see below.

Runs on included AC Adapter or 9V battery (not included).Tuner Size: 3.25" W x 4.3" H x 1.4" D. Weight: 4.5 oz. Antenna Element Size: 8.6" W x 2.5" H x 1.5" D. Weight: 8.5 oz. Pat. #US 6,529,169 B2

Item #TWIN…….$119.99
Item #T50…….50' Cable……$29.99

WARNING: Cancer and Reproductive Harm. www.P65Warnings.ca.gov

C.CRANE

ORDER FORM (Please Print)

Bill To: (Mailing Address) **Customer Number**: (From Back Cover)_____

Name:_____Area Code / Phone ( )_____

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☐ **Add me to your Email List for Special Offers and more.**

Ship To: ☐ Same Address ☐ This is a Gift Order

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Street_____Apt. No._____

City_____State_____Zip Code_____

Order Information:

Qty	Pg#	Item#	Description	Each	Total

☐ **Ship as items are available** ☐ **Ship Order Complete** Subtotal $_____

If Shipping to Calif., add Sales Tax @ 8.5% (subject to change) $_____

(See Page 16 for Shipping Information and Charges) $_____

Total $_____

☐ **YES**, Please send me your Fall 2019 Catalog.

We do not release your information.

Please let us know how you heard about C. Crane:

☐ Radio Show, Host or Station:_____

☐ Web Website:_____

☐ Magazine / Other / Friend:_____

Method of Payment: ☐ Check ☐ Money Order ☐ Credit Card

Card Number:_____/_____/_____/_____Security Code:_____

Signature:_____Exp. Date:_____/_____

Mail to: C. CRANE, 172 MAIN ST, FORTUNA, CA 95540-1816

Phone: 1-800-522-8863 **Fax:** 1-707-725-9060 **Web:** *ccrane.com*

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ORDER INFORMATION

STANDARD NO RUSH SHIPPING TO CONTINENTAL U.S.
(Please provide an address that accepts postal deliveries).

$0.01	-	$25.99	$4.99
$26.00	-	$49.99	$9.99
$50.00	-	$74.99	$13.99
$75.00	-	$149.99	$16.99
$150.00	-	$248.99	$18.99
$249.00 & Up			FREE

Rare restrictions may apply.

If your package ships to an address within the United States, we will send it to you the most economical way.

GROUND AND EXPRESS SHIPPING, ALASKA, HAWAII, PRIORITY MAIL, CANADA AND OTHER INTERNATIONAL COUNTRIES:

Please call us or check: *ccrane.com* by placing an item in a Shopping Cart to **see shipping options and rates** for your location.

Canadian and International shipping charges do not include duties and taxes.

ALL ORDERS PLACED BEFORE 11AM PT NORMALLY SHIP THE NEXT BUSINESS DAY (Weekends and Holidays are not considered Business Days).

SHIPPING EXCEPTIONS:
All Shipping Charges are Non-Refundable except Defective Products under Warranty. Sorry, no COD orders.

ORDERING METHODS:

PHONE: 1-800-522-8863 (TUNE)
WEB: *ccrane.com*
FAX: 707-725-9060

MAIL: C. Crane Inc.
172 Main Street
Fortuna, CA 95540-1816

VISA / MASTERCARD / DISC / AMEX / PERSONAL CHECK / MONEY ORDER

If paying by personal check over $250, your shipment may be delayed up to two weeks, to allow time for the bank to process your check. To prevent delay, please send a cashier's check, certified check or money order.

HOURS (Pacific Time):

Phone Order Hours: 24/7 All Year
Check our Store Hours Online:
ccrane.com/visit

Customer Service, Tech and Returns:
8:15 AM – 5:00 PM, Monday - Friday
Closed 12:00 PM to 1:15 PM for Lunch

NOTE: Customer Service, Tech, Returns and Store are Closed on Major Holidays.

CORPORATE GIFT INQUIRES WELCOME
E-Mail: *WholesaleDepartment@ccrane.com*

INFORMATION, POLICIES & SERVICES

Customer Service: Our U.S. based customer service is available at 800-522-8863 or by email at: *CustomerService@ccrane.com*, Monday through Friday, 8:15 am - 12 pm and 1:15 pm - 5:00 pm Pacific Time. Closed on Major Holidays. For orders and catalog requests our representatives are available 24/7. Contact us with any questions.

eNews Newsletter: Sign up for our eNews Newsletter and be the first to know about sales, exclusive offers and new products! We also share knowledge and insider tips on how to make the most of your purchase.
You can subscribe at: *ccrane.com/newsletter*

Warranty Information: Our products come with a one-year limited warranty unless otherwise noted.

Privacy Policy: We do not share or rent our mail list. Our next catalog will mail in October 2019. Thank you for your support. To view our full privacy policy visit: *ccrane.com/privacy*.

Pricing: Unless we have an unusual circumstance or error, our prices and shipping costs are good through September 2019.

Repair Services: Generally, take 4-6 weeks and are completed on a first come, first serve basis. We only repair products manufactured by C. Crane. Please call so we can set up a repair order for you. Most repairs are $59.95 + 11.95 return shipping, but charges may vary. A check for $71.90 or a credit card number must accompany the insured product. Please be sure to include current contact information including a phone number. We recommend you ship the item by a trackable method. **Please remove and keep the batteries, power cord or adapter and carry case before sending the item to us. Our repairs are warranted for one year.**

60-Day Satisfaction Guarantee: If any item fails to meet your expectations, you can return it to us within 60 days (in its original product packaging) for a full refund or credit towards another product. Please insure it. Shipping charges are non-refundable. Please call for a return authorization. A reasonable deduction may be made for any damaged or missing items. Please keep your catalog.

What is a C. Crane Orphan? We sometimes have returned merchandise available at about 10% off its regular price; we call these “Orphans”. Each item is carefully checked out and thoroughly cleaned. A full factory warranty and our 60-day satisfaction guarantee applies to these bargains also. These items are limited to stock on hand so call us to find out what is available or visit our website at: *ccrane.com/orphans*. New items are listed weekdays at about 4:00 PM PT and are sold on a **first come first serve basis.**

Sales Tax: Sales tax rules are changing and may affect your purchase price. As of press time, we only collect sales tax for California, however that will be changing based on a recent ruling from the Supreme Court.

AMPLIFIED SOFTSPEAKER™ 3 Pillow Speaker

Listen Easier

The new SoftSpeaker-3 amplifies audio from modern devices where the volume is normally too low such as Smartphones, Pads, Kindles and Chromebooks®. It can also compensate for some common hearing loss*. May also help insomnia with white noise and in some cases tinnitus by adding background audio. Allows you to get rid of the tangle and discomfort of ear pieces and enjoy your radio shows, audio books, podcasts, late night movies and music at the volume you prefer without disturbing others.

It is larger and softer than our other pillow speakers for more comfort. A stereo signal is fully combined so there is no drop-out loss from the right or left channel. A neodymium magnet speaker provides superior clear audio. The tone control switch can be set for voice or music. A rotary wheel adjusts the volume control. It delivers high quality audio, up to three times louder than a non-amplified pillow speaker.

The SoftSpeaker-3 works with any device with a 3.5 mm (1/8”) stereo headphone jack or line out. The automatic sleep timer can be set to 1, 4 or 8 hours and it remembers your preference to save batteries. Runs on (2) AA batteries (not included). Battery life is about 80 hours when using the “Voice” setting; built in battery level checker. Note: You may need to lower the volume on your host device to eliminate distortion.

Size: Pillow is approx. 4” H x 3” W. Amplifier approx. 3” H x 1” W. Total cord length 78” with volume control at 24”.

Item #PS3…….…$34.99

* We do recommend you see a professional audiologist for a hearing test and recommendations.

⚠ **WARNING:** Cancer and Reproductive Harm. www.P65Warnings.ca.gov

Over The Earphone

Listen without Blocking Out the World

The Over The Earphone speaker looks unusual but it is comfortable, durable and has good voice audio quality. We have some law enforcement and news program listeners who use it for steadfast listening where good comfort is a concern, along with still being able to hear when someone talks. 1/8” stereo tip plug. 5’ cord.

Weight: 0.8 oz. Size: 1.8” W x 2.8” H x 0.5” D.

Item #OTE.....$9.99

Voz Headphones

Best for the Money

The Voz are good-sounding headphones at an affordable price. They have good bass response for music and they are accurate when listening to talk radio. They are probably better than a similar pair you might find at a big box store and for less.

Adjustable headband, large ear cushions, 1/8” stereo tip plug and 7’ cord.

Weight: 3.5 oz.

Item #VHP1.....$14.99
(Save $3.00 ea.) when purchasing 3 or more.

Small Single Earphone

Timeless

This inexpensive small earplug is built for use with a regular radio. It has a separate plastic hook that can loop over your ear for comfort.

1/8” stereo tip plug. 6’ cord.

Item #SCE.....$3.99
(Buy 4) get one free.

WARNING: Cancer and Reproductive Harm. www.P65Warnings.ca.gov

ORIGINAL SOFTSPEAKER™ Pillow Speaker

This Pillow Speaker has Saved a Marriage or Two ...

The SoftSpeaker is the first pillow speaker designed not just to go under your pillow. It can sit right on your pillow, closer to your ear, so only you can hear it.

We started manufacturing pillow speakers over 20 years ago and realized they break more often than one would think. We took up the quest to design a better sounding, longer lasting Pillow Speaker. Our design uses a high-quality wire and a very flexible rubber protective outer cover to help improve the longevity. To stand behind this design, we offer a one-year warranty.

The SoftSpeaker-2 has an in-line volume control so you don't have to reach for your radio or phone to control the volume. Both speakers offer the perfect combination of comfort, privacy and quality. Plug the speaker into the headphone jack of any radio or smart phone, put it on your pillow and enjoy some of the highest music and voice fidelity available.

Size: 2" Dia., 6.5' cord with 1/8" stereo plug. Removable, teddy bear soft washable cover.

Item #PS2.....SoftSpeaker.....$22.99
Item #SSV.....SoftSpeaker-2 with Volume Control.....$24.99

Volume Control

Please (See Page 18) for our new SoftSpeaker™ 3 Amplified Pillow Speaker.

⚠ **WARNING:** Cancer and Reproductive Harm. www.P65Warnings.ca.gov

Garden Noise Reduction Headphones & Radio Kit

Noise Reduction Headphones Combined with a Great Radio

Some of the more unpleasant jobs are weed eating, grinding, polishing and riding a lawn mower.

The WERK kit can quickly become an indispensable friend in noisy environments. Unfortunately, it is difficult to build a good radio into noise reduction headphones that will survive the twists, bumps, drops, dust and rocks when working outdoors.

Chest Harness

C. Crane's WERK radio kit gives a more durable solution - better reception along with a Noise Reduction Rating of 25 decibels.

We supply the CC Pocket Radio, Noise Reduction Headphones and a heavy-duty 3' patch cord. The patch cord has a right-angle connector to help absorb pressure on the headphone jack.

The pocket of the Chest Harness is 3" W x 3" H x 1.25" D with (2) elastic cords. Can hold up to Galaxy 5®, iPhone 5® or items 2.5" W x 2.5" H.

Item #WERK.....$99.99 (Includes all but chest harness,
SAVE $13.98 when buying the kit.)

Item #WERKHNS.....$127.99 (The ultimate kit includes everything!
SAVE $15.97 when buying the kit.)

Also sold separately:

Item #WERK3.....Heavy Duty 3' Patch Cord.....$8.99
Item #WERKHP.....Noise Reduction Headphones.....$39.99
Item #CCPKT.....CC Pocket Radio.....$64.99
Item #WERKH.....Chest Harness.....$29.99

⚠ **WARNING:** Cancer and Reproductive Harm. www.P65Warnings.ca.gov

Hacker's Guide by Alex Altside

Another meaning of "hacking" is to "clear a path". In this case I want Alexa to perform the way I want. I warn you I'm the guy who disabled the annoying "Bixby" button on my S8 android phone by gluing it down with two small dabs of clear silicone. This glue can be removed in the event of some incredible cosmic event where Bixby has something to offer me.

I am also completely uninterested in smart speakers including Alexa's even with its extensive abilities except one . . . radio. I have seen oral navigation to a favorite radio station end up in terse arguments with a robot which keeps adding perceived insults to the request. The app that downloads to your phone is not bad as long as you are willing to press the button a few times until it makes a selection. You can scroll through your history to find your favorite station without opening your mouth.

I tried plugging Alexa close to my CCRadio-2E so I could then plug it into the "audio-in" port. Unfortunately, the Alexa's switching power adapter destroyed AM reception. I prefer over the air radio when I can get it because internet radio advertising is many times **more** repetitive and demeaning (IMHO). Plugging Alexa into another circuit about 25' away solved the noise problem. Using the FM Transmitter (see page 23) from the Alexa to my CC Radio solved the transmission problem and gave me audio clarity I enjoy and an expanded radio dial that has infinite possibilities. There are a few potential obstacles to be aware of before you try the FM Transmitter. Check our blog for the details: *ccrane.com/hacker*

WARNING: Cancer and Reproductive Harm. www.P65Warnings.ca.gov

(Not included)

(Not included)

FM TRANSMITTER 2

Send Near-Broadcast-Quality Audio from Your Mobile Phone or any Audio Device to any Nearby FM Radio

The FM Transmitter 2 uses common FM radio waves to send sound from any device you choose to any nearby FM radio or stereo system. The only wire you have to connect is from the FM Transmitter 2 to a headphone jack. You can resolve audio delivery problems by using it with your iPhone®, Alexa® type device, WiFi internet radio or satellite radio.

Other customers have told us how they use it with their televisions, guitars, portable DVD players or iPod® (a lot of fun in cars) and even other radios.

The FM Transmitter 2 has a thumbwheel that allows you to adjust the input for best audio quality and a two-level LED indicator to help set optimal signal level. It broadcasts clean, very high-fidelity stereo audio.

Maximum distance of about 45 feet line of sight with no obstructions. Broadcast distance will vary depending on your location (for more information, Google: *ccrane fm transmitter-2*). Choose any unused FM frequency between 88.3 MHz and 107.7 MHz. Portable and fits in the palm of your hand.

Runs on two (optional) “AA” batteries. AC adapter, 6” dual RCA plugs to 1/8” stereo jack patch cord included. (Patent # US D483,024S) FCC compliant.

Weight: 5.8 oz. Size 3” W x 3.5” H x 1” D.

Item #FM2.....$49.99

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Power VIVID® Pocket Flashlight

The handy Power Vivid delivers an intense white beam of light from a single LED, using a single (AA) battery (not included). Great for your emergency kit or as a gift.

Features: durable aluminum housing, detachable keychain lanyard, waterproof and push button on/off switch.

Size: 3.7” L x 0.8” D.

Item #PVF.....$7.99

Universal Solar Battery Charger - AAA, AA, C, D and Prismatic

This solar charger charges two Rechargeable Batteries of the same type and size (AAA, AA, C, D and Prismatic). It puts out about 150mA at about 5-volts. Many other solar battery chargers tested were unsuitable because their voltage was too low.

The Universal Solar Battery Charger is small which makes it convenient for home, extended power outages and outdoor activities.

Weight: 11.8 oz. Size: 6.8” W x 4.5” H x 2.3” D.

Item #SBC.....$24.99

Rechargeable Batteries

“AAA” 1000 mAh NiMH Batteries	**Each price: $2.99**	**Item #N3A**
“AA” 2500 mAh NiMH Batteries	**Each price: $2.99**	**Item #NHA**
“C” 5000 mAh NiMH Batteries	**Each price: $9.99**	**Item #NC**
“D” 10,000 mAh NiMH Batteries	**Each price: $14.99**	**Item #ND**

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I Love Radio T-Shirt designed by Asia Bell

We've been asked for years to offer C. Crane merchandise. A couple years ago the perfect opportunity arose when the *I Love Radio* T-shirt arrived in a box from Art's daughter, Asia Bell. The shirt expresses why radio (all types) is great for millions of listeners. With each t-shirt sale we are donating $5.00 towards Asia Bell's future and encourage her budding entrepreneurship.

Available in Women's and Men's sizes Small – 4X. More sizing information and color choices available online. Makes a great gift for the radio lover in your life. Please note, the women's sizes run small.

Available in Royal Blue or Charcoal Grey with design shown. Other colors and size options available online.

Men's T-shirt in Crew Neck:

Item #MCCT…….…$24.99
(Indicate size and color when ordering. Cotton/Polyester). *ccrane.com/mshirt*

Women's T-shirt in V Neck:

Item #WCCT…….…$24.99
(Indicate size and color. Cotton). *ccrane.com/wshirt*

Share the Love of Radio

C. Crane gift certificates are the perfect solution for anyone who loves radio.

Our gift certificates are available in any amount and never expire.

Refunds for partial amounts will be issued in the form of an additional certificate.

Call 800-522-8863 to order or visit: *ccrane.com/gift-certificates.*

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Introduction to Long Distance CC WiFi Equipment

The clear majority of us completely depend on a WiFi signal, though the technology is historically a baby. The necessity of getting a WiFi signal three miles away, over a decade ago, was the mother of invention for the WiFi division at C. Crane.

Please review the different long distance WiFi models available in our catalog and on the web at: *ccrane.com/wifi* to help find the best one for you.

Most manufacturers say the “setup is easy” but a recent experience of setting up an “easy to install” WiFi system was not so easy. It is usually challenging for an average person to setup and configure the settings for a new router or WiFi system since it is done so seldom and it changes every few years. I admit I am overly fearful every time I must diagnose or replace part of a wireless system. Signal buffering, drop out, waiting or the necessity of a reboot are common hurdles which do not build confidence.

We have a wonderful crew at C. Crane that can analyze your location and honestly recommend an appropriate system. We can help you set it up over the phone and diagnose it if you have a problem. We don’t pretend to be perfect, our high success rate speaks for itself. Please give us a call 9:00am - 5:00pm M-F, closed 12:00pm -1:15pm for lunch (PST), at 800-522-8863.

Simple & Free Ways to Improve Your existing WiFi Reception Before You Buy any Equipment

1. The most effective way to maximize youvr home WiFi coverage is to centrally locate your router.
2. Mount the router as high as possible without calling attention to the fashion police. Consider a second-floor location or attic.
3. Keep the router antenna vertical for best horizontal coverage and horizontal for best vertical coverage.
4. Avoid metal since it affects your WiFi signal in new and unusual ways. . . not next to the refrigerator but it might work good on top of it.

5. Brick and concrete type materials block the signal and will reduce your signal coverage.
6. Move your router away from your microwave and some cordless phones if the internet slows down when they are used.
7. Visit our sister site: *countrymilewifi.com* to see if there are other free or alternative options.

CC VECTOR Home Long Range WiFi Extender Repeater System 2.4 GHz

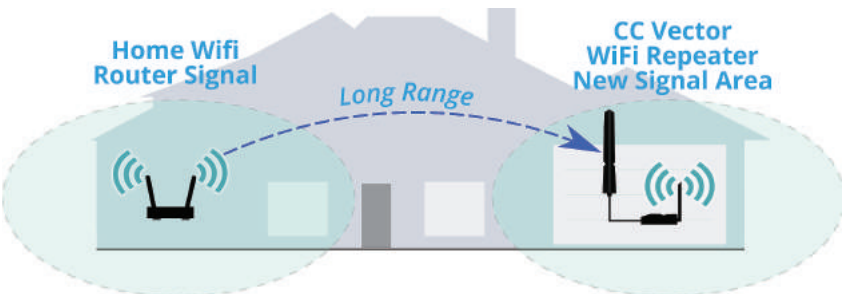
Works with All Devices

How it Works: Our antenna can be located so it more favorably connects to a distant WiFi signal from your router. The Antenna is wired to the CC Vector which creates a new reliable WiFi signal for all types of devices. It uses the most popular 2.4 GHz band which has the longest range. The included high-power antenna's sensitivity exceeds average WiFi range extenders designed for in-home use and the system works on all Windows®, Android™ and Apple® devices.

Great for extending the range to upstairs, back rooms, garage and garden. The CC Vector is also a good choice to deliver a new signal across a street. Bob's shop is about 50' away from the router in the house and there are several walls that make the WiFi signal from a standard router unreliable. The CC Vector Home easily picked up the signal when put in a window toward the house and delivered a robust signal to all his devices in the shop.

Check out our setup video *ccrane.com/wifisetup*

Item #VEC1……$199.99



Super USB WiFi Antenna 3 - Windows Only

Longer Range than an Average WiFi Extender - 2.4 GHz

Give your Windows® based computer a powerful WiFi boost. Typical range is 300' - 400' even through walls. Indoor/outdoor rated. Drivers automatically install for Windows 7 and above. Compatible with Windows XP - Windows 10. **Weight:** 1.8 oz. **Size:** 1.4" W x 10" L x 0.6" D. Antenna, 15' USB split cable, suction cups, mounting strip, cable tie, lanyard and software included.

Item #US3.....$69.99
Item #SPC.....30-ft USB Cable (optional)**.....$19.99**

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CC VECTOR RV Long Range 2.4 GHz WiFi Repeater System - Works with All Devices

This antenna is heavy-duty and mounts to a pole or ladder outside your vehicle and then connects to the CC Vector repeater inside. The included 8dBi antenna does not require aiming and receives in all directions.

Connect to a network up to 400 ft. away on average. In our extreme distance tests, we connected to a network a mile away (with no obstructions).

Item #VEC2…….....$249.99

CC X Mile Long Range Omni - Windows Only

Improve your single Windows® computer's WiFi reception in all directions in your RV, Boat or Big Rig. The CC X Mile Omni is made for outdoor use with solid construction for mounting to a pole or ladder.

The antenna plugs into a USB port. 8dBi antenna and software included. Drivers automatically install for Windows 7 and above. Compatible with Windows XP - Windows 10. Estimated range 400 ft. and in extreme tests a distance over a mile line of sight, without obstructions, speed is reduced.

Antenna Weight: 14 oz. Antenna size: 1" W x 22" H. Antenna Total Weight: 1.3 lbs. Total Height: 26". CC X Mile WiFi Receiver, 8dBi Antenna, 30' USB split cable, software, sealant and silicone grease included. The 8dBi WiFi antenna has a cast-aluminum mounting bracket and outdoor rated connections for many years of reliable use. It can mount to a wall or a 1 ½" to 2" pipe mast (not included).

Item #XMILE8.....$119.99

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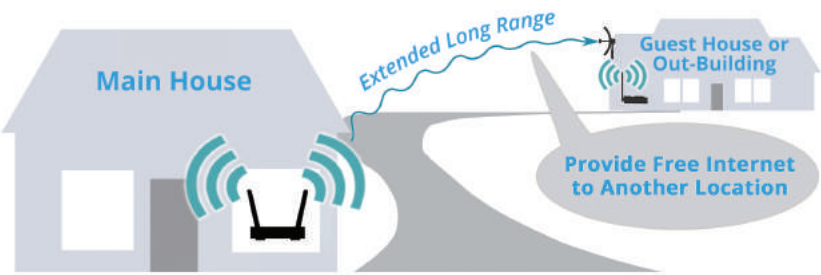
CC VECTOR Extended Long Range WiFi Repeater System 2.4 GHz - Works with All Devices

Our antenna connects to a distant available public WiFi signal or signal from your router. The antenna is wired to the CC Vector which creates a new WiFi signal in a dead zone. Range varies on obstructions and the signal strength of the network you're connecting to. The system works on all Windows®, Android™ and Apple® devices.

The directional 15dBi parabolic antenna helps keep speed up and reduces interference from other WiFi networks. The heavy-duty system mounts outdoors (mast not included) and then connects to the CC Vector Repeater inside. Connect to a network up to ½ mile away (max range is about 3 miles*, line of sight no obstructions).

Item #VEC3 ……..$299.99



CC X Mile Extended Long Range - Windows Only

Great solution for improving WiFi at a fixed location for one Windows® computer. The CC X Mile Extended Long Range uses a directional 15dBi parabolic antenna to increase speed and reduce interference from other WiFi networks. Estimated range is ¼ mile. (max range is about 3 miles*). Drivers automatically install for Windows 7 and above. Compatible with Windows XP - Windows 10. **Weight:** 3.3 lbs. 15dBi Ant. **Size:** 15.75" W x 11.8" H. **Total Weight:** 8.25 lbs. CC X Mile WiFi Receiver, 15dBi antenna, 30' USB split cable, software, mount, hardware, sealant and silicone grease included.

Item #XML15……$129.99

* Line of sight, without walls, trees or other obstructions. Also depends on the strength of the WiFi router.

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CUSTOM SOLUTIONS

Looking to cover a large building or property?

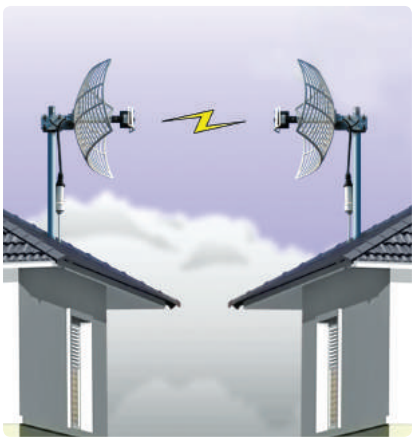
We've helped many customers improve their signal, extend their range and cover long distances. Whether it's a school, hotel, office complex or rural location with multiple outbuildings, we've seen it. Very popular for wireless security cameras.

Our technical specialists can design a custom kit to meet your needs. Call us at 1-800-522-8863 to get in touch with one of our specialists or go to our website and fill out the contact form: *www.ccrane.com/customwifi*

How it works:

1. We'll need you to perform a site survey to discuss your requirements.
2. C. Crane creates a custom solution for your application.
3. We deliver the product.

We do not currently offer installation services so you need to be comfortable and safe doing this work or find a local installer to help.



Long Range WiFi Bridge System

It's the best way to connect two locations to the same network wirelessly up to 3 miles away. Two parabolic antennas (sold separately) will need to be mounted and face each other without any obstructions, not even a tree.

The signal between the two points is encrypted for security. You can think of it as a wireless Ethernet cable that works at long distances.

"Our family has multiple homes covering almost 200 acres. The homes near the road can get internet, provided by the local cable company. But the houses further off the road are beyond what the company will run. We had the cable company run the connection to homes up front and used the WiFi Bridge system to provide internet connections to homes further back on the property. The speed is fantastic, and we have had no issues due to weather. The children in one of the homes are home-schooled and use the internet daily for their school work and to watch online videos."
W Alklett, Jackson GA

Item #WBK.....$349.99
Item #PTP.....Parabolic Antenna (ea.).....$44.99

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Top Tips for Improving AM Reception

1. If you're having trouble receiving your favorite talk radio program. Determine if you get the signal at all. If the station is a 500-watt station across the country, no amount of reception tips will help you receive this signal. If the station streams on the Internet you have many possible solutions. You can use your CC WiFi Radio (page 10), smartphone with a Bluetooth® speaker or an Alexa Echo mated with a C. Crane FM Transmitter (page 23) to broadcast to your regular radio.

2. If you get the signal but it is weak, try moving radio near a window or outside wall. If your reception improves, you know the signal is having a hard time reaching inside or there may be some interference. You can run an antenna to a window (or maybe even outside), or use our Twin Coil Antenna (page 14). Some stations rebroadcast on sister stations either AM or FM. Go to *radio-locator.com* and look up the station call letters you're trying to receive; see if another station is listed as "also broadcasts from" with a different frequency, you may be able to find a closer stronger station that is broadcasting the same content.

3. If the problem is noise, try the radio on batteries and walk around your home to see if the static or buzzing changes. If the noise gets worse, odds are good the offending device (or electrical component) is located here and you may be able to turn it off. Rotating your radio when you get near the buzzing can help you determine exactly where the noise is coming from. If it's the same throughout the house, try going outside. If it's better, then an outdoor antenna may help. We've talked to people who end up turning off all the breakers to find out they have some electrical wiring issues that produce noise in their entire house!

4. You receive the signal during the day but not at night or vice versa. Many people don't know (or forget) that stations may be required to power down, change direction or in some cases power up at night. Differing signal during day and night may not be limited to summer, solar flares and the atmosphere. It may be that your 10,000-watt daytime station switches to a 5,000-watt station at night that broadcasts in the opposite direction. Again, *radio-locator.com* is a great source of information about your favorite station. For more AM reception tips visit: *ccrane.com/amtips*

Visit C. Crane in Fortuna, California

Tour C. Crane and visit Fortuna, the historic heart of Redwood Country. See first-hand where the Magic of Radio happens, you will get to see our new facilities, learn a bit about the C. Crane story and sample some local goodies. You can also shop at our C. Crane store and walk away with a special gift only available to tour guests. Visit our website to schedule a tour (tour availability is limited) and check out what else there is to do in our beautiful area: *ccrane.com/visit*

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CC SKYWAVE SSB

With AM, FM, Shortwave, NOAA Weather + Alert, Scannable VHF Aviation Band and Single Side Band

The "Swiss Army Knife" of Portable Radios – Radio Jay Allen

(See Page 9).

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Customer Number